

Manchester Urban Ponds Restoration Program

City of Manchester Environmental Protection Division

300 Winston Street

Manchester, NH 03103

Spring 2019 Program Update

April 5, 2019

(603) 665-6899 / www.manchesternh.gov/urbanponds
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- ☐ [Water Quality Data](#)
- ☐ [Publications](#)



Please Join Us for the 20th Season *of* Urban Pond and Park Cleanups!

Please consider joining us for one or more of our Spring 2019 pond and park cleanup events as we enter into our 20th season of cleanups! Yes, you read that correctly! We have lost two long-term volunteers this year to a recent relocation outside of Manchester, so even more so than usual, **we could really benefit from additional volunteer assistance!** We would also like to see some new faces and make some new friends, so please spread the word!

- ☐ **Saturday April 20, 2019** (9:00 – 11:00) [Black Brook / Blodget Park](#)
- ☐ **Saturday April 27, 2019** (9:00 – 11:00) [Stevens Pond / Park](#)
- ☐ **Saturday May 4, 2019** (9:00 – 11:00) [Nutts Pond / Precourt Park](#)

Please **dress appropriately for weather** (there are no “rain dates”) and wear **rubber knee boots** if you have them! Latex gloves and trash bags will be provided. Just bring yourself, a friend, and a sense of community spirit! Please arrive no later than 8:50am as we will break into groups and begin cleanups at 9:00am.

Since 2000, the Manchester Urban Ponds Restoration Program has organized **112 clean-up events**. Over the past **19 seasons** of cleanups, **987 volunteers** have spent approximately **3,468 hours** collecting **2,288 bags of trash!** This does not include the items illegally “dumped” such as **shopping carts (97)**, **tires (418)**, car batteries, other car parts, construction debris, and other items. In addition, the value of volunteer time spent at these clean-ups has amounted to over **\$58,000** over these past 19 seasons!



Urban Ponds Volunteers Recognized by the Mayor

On September 4, 2018, at the Mayor and Board of Aldermen meeting, Mayor Joyce Craig acknowledged six volunteers from the Manchester Urban Ponds Restoration Program for their many years of volunteer service assisting with pond and park cleanup events!

Jeff Marcoux began in 2005 and has spent 110 hours volunteering for 50 cleanups. Jeff’s mother Diane Marcoux began in 2006 and has spent 47 hours volunteering for 21 cleanups. Martha Frechette began in 2007 and has spent 57 hours volunteering for 27 cleanups. Ron Piecuch also began in 2007 and has spent 72 hours volunteering for 34 cleanups. Jeff’s wife Johanna Nugent began in 2007 and has spent 57 hours volunteering for 27 cleanups, and Tom Durant began in 2008 and has spent 86 hours volunteering for 40 cleanups.

These volunteers were also informally acknowledged on May 2, 2018 with certificates of appreciation from the acting Urban Ponds Restoration Program Coordinator.

Thank you to these very special, dedicated, hard-working volunteers, along with all other volunteers who have volunteered their time over the past 20 seasons of pond and park cleanups!



September 8, 2018
From left to right: Jeff Marcoux, Diane Marcoux, Martha Frechette, Ron Piecuch, Johanna Nugent, and Tom Durant.



May 2, 2018
From left to right: Tom Durant, Ron Piecuch, Jeff Marcoux
Recognized for their 30th cleanup (Ron), 40th cleanup (Tom) and 50th cleanup (Jeff)



2019 City of Manchester Solid Waste Guide

Please take note that the City of Manchester has published its [2019 Solid Waste Guide](#) which discusses and includes a collection calendar for trash, recycling, yard waste, and household hazardous waste. Please note that **spring curbside pickup of yard waste begins on April 15th**. Please also note that the city’s first **Household Hazardous Waste Day of 2019** will be held on Saturday May 11, 2019 from 8:00am – 2:00pm (the other to be held on October 12, 2018).

2019 Collection Calendar

JANUARY	FEBRUARY	MARCH
S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
APRIL	MAY	JUNE
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JULY	AUGUST	SEPTEMBER
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OCTOBER	NOVEMBER	DECEMBER
S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
JANUARY (2020)	S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	

Download a personalized calendar to your smart phone or other device!
[ManchesterNH.gov/CollectionSchedule](#)

Missed Pickup?
Use the report tool on the Manchester NH Connect app (available at Apple Store or Google Play) or call (603) 624-6444 for missed trash or yard waste.

NEW! Download a personalized calendar to your smart phone or other device! [ManchesterNH.gov/CollectionSchedule](#)

2019 CITY OF MANCHESTER Solid Waste Guide

- Trash
- Recycling
- Yard Waste
- Household Hazardous Waste
- Drop Off Facility

Department of Public Works
675 Valley Street
Manchester, NH 03105
(603) 624-6444
[ManchesterNH.gov/solidwaste](#)

Solid Waste and Recycling Update

Mark Gomez, Environmental Programs Manager, City of Manchester

Municipal Solid Waste



In October of 2018, the Board of Mayor and Aldermen approved a plan for the expansion of automated trash collection. This plan included a universal requirement to use trash carts. Trash carts are already required for properties with three or more units. **Ordinance changes are scheduled to be enacted in May of 2019 will extend this requirement to all municipal trash customers.**

Recycling



Manchester's recyclables are transported to a materials recovery facility (MRF), where material is sorted and shipped for recycling. Over the course of the past year and a half, the tipping fee at MRFs has skyrocketed. This is attributable to dramatic changes in Chinese import policies pertaining to recyclable materials. For years, China accepted recyclables with significant amounts of contamination. China has now effectively banned most recyclables. Domestic recyclers have had to find alternative markets. The City of Manchester is monitoring the situation closely. The current recycling contract with Pinard Waste Systems expires at the end of 2020. **You can help by ensuring your recycling cart is free from contamination (items that are not recyclable). A list of acceptable and unacceptable items is below.**

Yard Waste

Curbside yard waste is hauled to local farms, where it is turned into compost. Yard waste disposed of at the Drop Off Facility is either chipped into mulch or turned into compost.

Recyclable Items

The following items may be placed in your blue recycling cart:



- ☑ Aluminum Containers.
- ☑ Glass Bottles / Containers (Clear, Colored).
- ☑ Paper (Mail, Magazines, Newsprint).
- ☑ Paperboard (Cereal Boxes, Paper Towel Rolls,).
- ☑ Cardboard (Clean).
- ☑ Plastics Bottles and Containers (#1 – 7).
- ☑ Steel Containers.
- ☑ Tin / Tin Foil.

Non-Recyclable Items

The following items may not be placed in your blue recycling cart:



- ☒ Plastic Bags.
- ☒ Plastic Packaging.
- ☒ Plastic Straws.
- ☒ Plastic Wrapping.
- ☒ Styrofoam (Packing Material, Coffee Cups, Meat Trays).
- ☒ Spray Cans.
- ☒ Car Parts.
- ☒ Non-Container Metals.

Maxwell Pond Dam Removal / Black Brook River Restoration Celebrates 10-Year Milestone

Jeff Marcoux, NH Department of Environmental Services, Watershed Assistance Section



Ten years ago on February 23, 2009, construction crews began mobilizing and removing the failing Maxwell Pond dam, thus beginning to restore Black Brook to a free-flowing stream for the first time in nearly 100 years!

Over the past 10 years, Black Brook's stream channel has been seeking its final shape, and areas that were formerly underwater or buried in sediment have been revegetating. The stream channel has developed a variety of features such as pools, riffles, and runs, just as one would hope to see in a naturally occurring stream channel, like the one that would have been in place prior to the construction of the dam. Turtles, birds, and other forms of wildlife are common in the former pond area. Water quality measurements in Black Brook have improved, and water sampling continues to be completed through a partnership between the City of Manchester and the New Hampshire Department of Environmental Services (NHDES). Staff from NHDES continue to track and monitor progress at the site through fish and macroinvertebrate monitoring, as well as streambed substrate composition analysis and other physical measurements.

In 2018 the Merrimack River Watershed Council provided some additional native tree and shrub plantings to help further improve the revegetation of the stream banks. In 2019, some of the Maxwell Pond ice harvesting artifacts that had been temporarily stored at the Manchester Historic Association were returned to NHDES, with hopes that they can soon be relocated to a new and permanent location.

The project site should continue to develop for the foreseeable future through further stream channel evolution and increased maturity of the stream corridor's vegetation. As that vegetation grows larger and provides more shade, we anticipate that summer water temperatures will be reduced and further ecological improvements will result.



Black Brook, looking upstream from Front Street, 2018

Article on Nutts Pond Restoration Featured in the North American Lakes Management Society (NALMS) Newsletter

In the Winter of 2018 issue of [Lakeline](#), the North American Lakes Management Society newsletter, Ben Lundsted (Comprehensive Environmental, Inc.), Robert Robinson (City of Manchester Environmental Protection Division), and Jeff Marcoux (NH Department of Environmental Services Watershed Assistance Section and Manchester Urban Ponds Restoration Program) showcase a project involving an urban pond (Nutts Pond) with a long succession of difficulties they had to face in implementing best management practices (BMPs) to improve water quality of the pond and its inlets. These included coordination among multiple landowners, lack of space for installation of desired BMPs, pieced-together funding, regulatory hoops to jump through, waivers to be sought, as well as easements to negotiate. With persistence, the City and project partners have successfully implemented multiple BMPs to reduce the amount of nonpoint source pollutants flowing into Nutt Pond from its very heavily developed watershed. You can read the article in full, [here](#).



2018 Water Quality Reports Available

The formal [Volunteer Lake Assessment Program](#) (VLAP) and [Volunteer River Assessment Program](#) (VRAP) annual water quality reports from 2018 have been posted on-line and we've updated our own Water Quality Parameter Data Tables to include data collected this summer. Check out the [Water Quality Data](#) page to view the VLAP and VRAP reports and [All Ponds Water Quality Data Tables 2000-2018](#) to see how this year's data compares to previous years.

Manchester Urban Ponds Restoration Program

Water Quality Parameter Data Tables 2000 - 2018

Disclaimer: Please note that the Chemical and Biological Parameter Data Tables discussed within the context of this document are generated from the 100 Parameter Water Quality Report (100PWR) developed by the New Hampshire Department of Environmental Services (NHDES). The 100PWR is a standardized report that provides a comprehensive overview of water quality data collected from various sources, including the Manchester Urban Ponds Restoration Program. The data is presented in a tabular format, with each row representing a specific water quality parameter and each column representing a specific location or time period. The data is presented in a tabular format, with each row representing a specific water quality parameter and each column representing a specific location or time period. The data is presented in a tabular format, with each row representing a specific water quality parameter and each column representing a specific location or time period.

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Average Acid Neutralizing Capacity (ANC) Measurements in Milligrams per Liter (mg/L)

Location	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Mean	SD
Corral Lake	18.1	17.3	20.2	18.8	14.8	18.3	17.1	18.7	15.2	18.1	18.2	17.8	14.8	18.7	18.1	18.1	20.1	28.0	18.8	17.8	
Clarks Pond	16.2	21.7	26.5	20.3	24.0	20.4	22.4	28.0	18.8	20.3	27.4	24.2	20.0	23.2	24.5	29.3	34.8	22.0	23.0	24.2	
Manchester Pond	8.8	9.8	8.7	8.4	8.3	8.8	9.1	9.7	8.7	9.2										8.9	
Nutts Pond	14.8	17.0	15.4	17.0	15.5	16.8	16.7	15.0	13.4	18.3	22.8	18.7	18.4	17.8	18.2	22.8	22.8	20.8	21.2	17.9	
Pine Island Pond	17.1	20.1	21.2	14.8	11.6	18.4	13.0	17.8	20.2	22.2	21.6	18.0	16.8	17.8	18.5	20.0	34.4	27.8	21.1	18.0	
Winnepesaukee Pond	28.0	31.0	35.8	28.2	28.1	28.7	30.0	30.0	28.8	27.8	28.1	30.4	30.1	30.1	30.9	33.0	37.0	34.2	30.0	34.9	

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Clarks Pond	16.2	21.7	26.5	20.3	24.0	20.4	22.4	28.0	18.8	20.3	27.4	24.2	20.0	23.2	24.5	29.3	34.8	22.0	23.0	24.2	
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Pine Island Pond	17.1	20.1	21.2	14.8	11.6	18.4	13.0	17.8	20.2	22.2	21.6	18.0	16.8	17.8	18.5	20.0	34.4	27.8	21.1	18.0	
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Only use these tags: `<table>`, `<tr>`, `<th>`, `<td>`, `<caption>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<div>`, `<`



"Flashback Friday!"
Nutts Pond Cleanup - April 24, 2001

Jim McLean, Jen Drociak, Eric Skoglund...and on the far right, Art Grindle, Urban Ponds Restoration Program Coordinator from 2000 - 2005



Be Sure to "Like" Us on facebook!

The Manchester Urban Ponds Restoration Program facebook page was created in 2012. To date, 300 people have "liked" this page and 312 people "follow" it. Thank you to all of our friends!

www.facebook.com/ManchesterUrbanPondsRestoration